

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
ELECTRICAL ENGINEERING DEPARTMENT
Dr. Ibrahim O. Habiballah
EE-306 (Sec. 3)

Key Solutions

Quiz # 5 Serial #

Name:

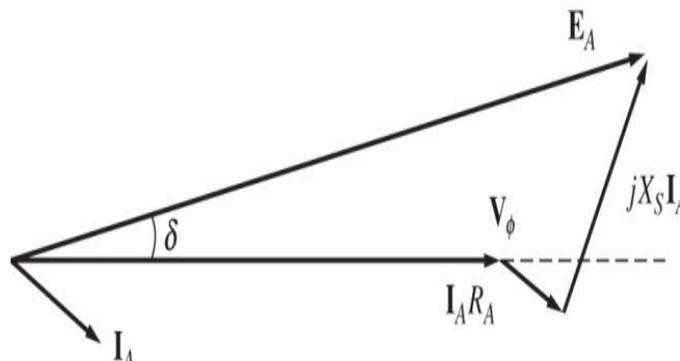
I.D.#

Circle the correct answer.

- 1) The frequency of a synchronous generator running at 1200 rpm is (4 Marks)
- a. 50Hz
 - b. 60Hz**
 - c. 100Hz
 - d. 120Hz

- 2) If the field of a synchronous motor is over-excited, the power factor will be (3 Marks)
- a. unity
 - b. leading**
 - c. lagging
 - d. more than unity

- 3) The phasor diagram shown below is for (3 Marks)



- a. a lagging power factor synchronous motor.
- b. a lagging power factor synchronous generator.**
- c. a leading power factor synchronous motor.
- d. a leading power factor synchronous generator.